

Penang Sangam High School

Year 10 Mathematics 2021

Supplementary Resources

1.	<p>Which of the following relation below is a function?</p> <ul style="list-style-type: none"> A. $\{(0,0),(1,1),(2,2),(2,3),(4,4)\}$ B. $\{(2,1),(2,2),(2,3),(2,4),(2,5)\}$ C. $\{(0,2),(0,3),(0,4),(0,5),(0,6)\}$ D. $\{(1,1),(2,1),(3,1),(4,1),(5,1)\}$ 	<p align="center">Hints</p> <p>Functions</p> <ul style="list-style-type: none"> • Domain not repeated • Domain is the x element
2.	<p>A Linear function has the highest degree as:</p> <p>A. 4 B. 3 C. 2 D. 1</p>	
3.	<p>The equation of a straight line is given as $y + x = 1$. The y-intercept of this line is:</p> <p>A. -1 B. 0 C. 2 D. 1</p>	<p>y - intercept make $x = 0$</p>
4.	<p>Which ordered pair represents $f(5) = -3$?</p> <ul style="list-style-type: none"> A. $(-5, 3)$ B. $(-3, 5)$ C. $(3, -5)$ D. $(5, -3)$ 	
5.	<p>The domain for a relation $y = x - 1$ is $\{-2,-1, 0, 1,2\}$</p> <p>(a) List the elements of the range.</p>	<p>Range- y element</p> <p>-Use Table method</p> <p>-substitute the domain as x values</p>

6.	(b) List the relation as a set of ordered pairs.	
6.	Draw the graph of the in equation.	Draw the graph of
8.	$y \leq x + 4$	$y = x + 4$ $<, >$ - use dotted line $\leq \geq$ use solid line $< \leq$ - shade below $> \geq$ - shade above

